Author index

Albitz, R., see Nilius, B. (1014) 259
Alexandre, A., see Deana, R. (1014) 203
Ambudkar, I.S., see Maki, T. (1014) 73
Amoh, T., see Kozaki, Y. (1014) 120
Andreoni, A., Colasanti, A., Malatesta, V., Mastrocinque, M., Roberti, G. and Von Kisslinger, A.
Cell photosensitization by 5-iminodaunomycin activated with red light (1014) 8
Atkinson, S.J., see Thomson, B.M. (1014) 125

Barrett, P., see Cummings, A. (1014) 319
Baum, B.J., see Maki, T. (1014) 73
Baverel, G., see Vincent, N. (1014) 184
Beidler, D.R., Candia, A.F., Chernin, M.I. and Novak, J.F.
Resistance to pyrazofurin and 6-azauridine in normal MC3T3-E1 murine osteoblasts (1014) 101
Ben-Naim, M., see Chajek-Shaul, T. (1014) 178
Bittar, E.E., see Xie, H. (1014) 207
Boland, R., see Drittanti, L. (1014) 112
Boscoboinik, D. and Epand, R.M.
Increased cellular internalization of amphiphiles in a multidrug-resistant CHO cell line (1014) 53
Brummell, D.A. and Maclachlan, G.A.
Calcium antagonist interferes with auxin-regulated xyloglucan glycosyltransferase levels in pea membranes (1014) 298
Burlini, N., Morandi, S., Pellegrini, R., Tortora, P. and Guerritore, A.
Studies on the degradative mechanism of phosphoenolpyruvate carboxykinase from the yeast *Saccharomyces cerevisiae* (1014) 153

Candia, A.F., see Beidler, D.R. (1014) 101
Cantoni, O., Cattabeni, F., Stocchi, V., Meyn, R.E., Cerutti, P. and Murray, D.
Hydrogen peroxide insult in cultured mammalian cells: relationships between DNA single-strand breakage, poly(ADP-ribose) metabolism and cell killing (1014) 1
Cattabeni, F., see Cantoni, O. (1014) 1
Ceccarelli, D., see Masini, A. (1014) 133
Cerutti, P., see Cantoni, O. (1014) 1
Chajek-Shaul, T., Halimi, O., Ben-Naim, M., Stein, O. and Stein, Y.
Phosphatidylinositol-specific phospholipase C releases lipoprotein lipase from the heparin releasable pool in rat heart cell cultures (1014) 178
Chan, H.-C., Glockner, J.F. and Swartz, H.M.
Oximetry in cells and tissues using a nitroxide-liposome system (1014) 141
Chang, C.H., see Chang, T.-M. (1014) 229
Chang, T.-M. and Chang, C.H.
Diacytosis of asialoglycoprotein in isolated hepatocytes is dependent on the structure of ligand and cellular distribution of the receptors (1014) 229
Chernin, M.I., see Beidler, D.R. (1014) 101
Clark, J.F. and Dillon, P.F.
Mechanical and metabolic toxicity of 3-(trimethylsilyl)propanesulfonic acid to porcine carotid arteries (1014) 235
Colasanti, A., see Andreoni, A. (1014) 8
Cooper, G.J.S., Day, A.J., Willis, A.C., Roberts, A.N., Reid, K.B.M. and Leighton, B.
Amylin and the amylin gene: structure, function and relationship to islet amyloid and to diabetes mellitus (1014) 247

Corongiu, F.P., see Masini, A. (1014) 133
Crawford, N., see Crook, M. (1014) 26
Crook, M. and Crawford, N.
Electrokinetic, analytical and functional heterogeneity of circulating human platelets: separation of subpopulations by continuous flow electrophoresis after taxol stabilization (1014) 26
Cummings, A., Barrett, P. and Sommerville, J.
Multiple modifications in the phosphoproteins bound to stored messenger RNA in *Xenopus* oocytes (1014) 319

Day, A.J., see Cooper, G.J.S. (1014) 247
Deana, R., Ruzzene, M., Doni, M.G., Zoccarato, F. and Alexandre, A.
Cyclic GMP and nitroprusside inhibit the activation of human platelets by fluoroaluminate (1014) 203
De Boland, A.R., see Drittanti, L. (1014) 112
Denton, R.M., see Rutter, G.A. (1014) 263
Diede, H.E., see Stremmel, W. (1014) 108
Dillon, P.F., see Clark, J.F. (1014) 235
Doni, M.G., see Deana, R. (1014) 203
Drittanti, L., De Boland, A.R. and Boland, R.
Modulation of DNA synthesis in cultured muscle cells by 1,25-dihydroxyvitamin D-3 (1014) 112

Elsing, C., see Stremmel, W. (1014) 108
Epand, R.M., see Boscoboinik, D. (1014) 53

Falbrede, J., see Stremmel, W. (1014) 108
Fisher, R.A., see Kester, M. (1014) 195

Glockner, J.F., see Chan, H.-C. (1014) 141
Goudeau, H., see Goudeau, M. (1014) 14
Goudeau, M., Herve, M. and Goudeau, H.
Spontaneous activation by sea water induces an intracellular pH rise in crab eggs, as evidenced by ^{31}P-NMR, H^+-sensitive microelectrodes and fluorescent probes (1014) 14
Grapengiesser, E., Gylfe, E. and Hellman, B.
Regulation of pH in individual pancreatic β-cells as evaluated by fluorescence ratio microscopy (1014) 219
Grigorian, G.Y., see Korichneva, I.L. (1014) 173
Guerritore, A., see Burlini, N. (1014) 153
Gylfe, E., see Grapengiesser, E. (1014) 219

Halimi, O., see Chajek-Shaul, T. (1014) 178
Hellman, B., see Grapengiesser, E. (1014) 219
Hembry, R.M., see Thomson, B.M. (1014) 125
Henshaw, E.C., see Montine, K.S. (1014) 282
Herve, M., see Goudeau, M. (1014) 14
Honda, A., Iwai, T. and Mori, Y.
Insulin-like growth factor I (IGF-I) enhances hyaluronic acid synthesis in rabbit pericardium (1014) 305
Hu, H., Sosnovsky, G., Li, S.W., Rao, N.U.M., Morse II, P.D. and Swartz, H.M.
Development of nitroxides for selective localization inside cells (1014) 211
Hurwitz, S., see Rosenberg, J. (1014) 189

Issinger, O.-G., see Schneider, H.R. (1014) 98
Iwai, T., see Honda, A. (1014) 305

Jerrell, J.P., see Leszczynski, D.E. (1014) 90
Johnson, P.M., see Kenton, P. (1014) 271

Kageyama, K., see Matsui-Yuasa, I. (1014) 225
Kenton, P., Johnson, P.M. and Webb, P.D.
The phosphorylation of p68, a calcium-binding protein associated with the human syncytiotrophoblast submembranous cytoskeleton, is modulated by growth factors, activators of protein kinase C and cyclic AMP (1014) 271
Kerneur, C., see Larnier, C. (1014) 145
Kester, M., Fisher, R.A. and Olson, M.S.
β-Adrenergic inhibition of AGEPC-stimulated Na^+/Ca^{2+} exchange and AGEPC-induced platelet activation (1014) 195
Kitagawa, K., Rosen, B.S., Spiegelman, B.M., Lienhard, G.E. and Tanner, L.I.
Insulin stimulates the acute release of adipsin from 3T3-L1 adipocytes (1014) 83
Kleinzeller, A. and Mills, J.W.
K^+-induced swelling of the dogfish shark (*Squalus acanthias*) rectal gland cells is associated with changes of the cytoskeleton (1014) 40
Kon, O.L., see Tang, B.L. (1014) 162
Korichneva, I.L., Grigorian, G.Y., Krasnikova, T.L., Rudchenko, S.A. and Tkachuk, V.A.
Interleukin-2- and phytohemagglutinin-activated proliferation of human T-lymphocytes is accompanied by stimulation of phosphoinositide turnover (1014) 173
Kowatch, M.A., see Maki, T. (1014) 73
Kozaki, Y., Amoh, T., Yamaguchi, N. and Muramatu, M.
Fluctuation of trypsin-like proteinase activity in the cell cycle of synchronized and growing HeLa cells, and the effect of GMCHA-OPhBu^t (1014) 120
Krasnikova, T.L., see Korichneva, I.L. (1014) 173
Kummerow, F.A., see Leszczynski, D.E. (1014) 90

Larnier, C., Kerneur, C., Robert, L. and Moczar, M.
Effect of testicular hyaluronidase on hyaluronate synthesis by human skin fibroblasts in culture (1014) 145
Leighton, B., see Cooper, G.J.S. (1014) 247
Leszczynski, D.E., Schafer, R.M., Perkins, E.G., Jerrell, J.P. and Kummerow, F.A.
Esterification of dehydroepiandrosterone by human plasma HDL_3 (1014) 90
Li, S.W., see Hu, H. (1014) 211
Lienhard, G.E., see Kitagawa, K. (1014) 83
Linebaugh, B.E., see Rillema, J.A. (1014) 78
Longbottom, D. and Van Heyningen, S.
The activation of rabbit intestinal adenylate cyclase by cholera toxin (1014) 289

Maclachlan, G.A., see Brummell, D.A. (1014) 298
Magous, R., see Roche, S. (1014) 313
Maki, T., Kowatch, M.A., Baum, B.J., Ambudkar, I.S. and Roth, G.S.
Evidence for an alteration in the microsomal Ca^{2+} release mechanism in senescent rat parotid acinar cells (1014) 73
Malatesta, V., see Andreoni, A. (1014) 8
Martin, G., see Vincent, N. (1014) 184
Masini, A., Ceccarelli, D., Trenti, T., Corongiu, F.P. and Muscatello, U.
Perturbation in liver mitochondrial Ca^{2+} homeostasis in experimental iron overload: a possible factor in cell injury (1014) 133
Mastrocinque, M., see Andreoni, A. (1014) 8
Matsui-Yuasa, I., Otani, S., Morisawa, S., Kageyama, K. and Onoyama, Y.
Control by hyperthermia of ornithine decarboxylase in Ehrlich ascites tumor cells (1014) 225
McGarrity, A.M., see Thomson, B.M. (1014) 125
Meikle, M.C., see Thomson, B.M. (1014) 125
Meyn, R.E., see Cantoni, O. (1014) 1
Midgley, P.J.W., see Rutter, G.A. (1014) 263
Mills, J.W., see Kleinzeller, A. (1014) 40
Moczar, M., see Larnier, C. (1014) 145
Montine, K.S. and Henshaw, E.C.
Serum growth factors cause rapid stimulation of protein synthesis and dephosphorylation of eIF-2 in serum deprived Ehrlich cells (1014) 282
Morandi, S., see Burlini, N. (1014) 153
Mori, Y., see Honda, A. (1014) 305
Morisawa, S., see Matsui-Yuasa, I. (1014) 225
Morse II, P.D., see Hu, H. (1014) 211
Muramatu, M., see Kozaki, Y. (1014) 120
Murray, D., see Cantoni, O. (1014) 1
Muscatello, U., see Masini, A. (1014) 133

Nakazato, Y., Suzuki, H. and Saruta, T.
Characterization of subclones of Madin-Darby canine kidney renal epithelial cell line (1014) 57
Ng, M.L., see Tang, B.L. (1014) 162
Nilius, B., Tytgat, J. and Albitz, R.
Modulation of cardiac Na channels by angiotensin II (1014) 259
Novak, J.F., see Beidler, D.R. (1014) 101

Olson, M.S., see Kester, M. (1014) 195
Onoyama, Y., see Matsui-Yuasa, I. (1014) 225
Otani, S., see Matsui-Yuasa, I. (1014) 225

Palmer, S. and Wakelam, M.J.O.
Mass measurement of inositol phosphates (1014) 239
Pellegrini, R., see Burlini, N. (1014) 153
Perkins, E.G., see Leszczynski, D.E. (1014) 90
Pines, M., see Rosenberg, J. (1014) 189

Rachmilewitz, E.A., see Shinar, E. (1014) 66
Rahamim, E., see Shinar, E. (1014) 66
Rao, N.U.M., see Hu, H. (1014) 211
Reid, K.B.M., see Cooper, G.J.S. (1014) 247
Reynolds, J.J., see Thomson, B.M. (1014) 125
Rillema, J.A., Tarrant, T.M. and Linebaugh, B.E.
Studies on the mechanism by which prolactin regulates protein, RNA, and DNA synthesis in Nb_2 node lymphoma cells (1014) 78
Robert, L., see Larnier, C. (1014) 145
Roberti, G., see Andreoni, A. (1014) 8
Roberts, A.N., see Cooper, G.J.S. (1014) 247
Roche, S. and Magous, R.
Gastrin and CCK-8 induce inositol 1,4,5-trisphosphate formation in rabbit gastric parietal cells (1014) 313
Rosen, B.S., see Kitagawa, K. (1014) 83
Rosenberg, J., Pines, M. and Hurwitz, S.
Inhibition of aldosterone secretion by atrial natriuretic peptide in chicken adrenocortical cells (1014) 189
Roth, G.S., see Maki, T. (1014) 73
Rudchenko, S.A., see Korichneva, I.L. (1014) 173
Rutter, G.A., Midgley, P.J.W. and Denton, R.M.
Regulation of the pyruvate dehydrogenase complex by Ca^{2+} within toluene-permeabilized heart mitochondria (1014) 263
Ruzzene, M., see Deana, R. (1014) 203

Saltman, P., see Shinar, E. (1014) 66
Saruta, T., see Nakazato, Y. (1014) 57
Schafer, R.M., see Leszczynski, D.E. (1014) 90
Schneider, H.R. and Issinger, O.-G.
Growth-dependent modulation of casein kinase II and its substrate nucleolin in primary human cell cultures and HeLa cells (1014) 98

Shifter, A., see Shinar, E. (1014) 66
Shinar, E., Rachmilewitz, E.A., Shifter, A., Rahamim, E. and Saltman, P.
Oxidative damage to human red cells induced by copper and iron complexes in the presence of ascorbate (1014) 66
Sim, K.Y., see Tang, B.L. (1014) 162
Sommerville, J., see Cummings, A. (1014) 319
Sosnovsky, G., see Hu, H. (1014) 211
Spiegelman, B.M., see Kitagawa, K. (1014) 83
Stein, O., see Chajek-Shaul, T. (1014) 178
Stein, Y., see Chajek-Shaul, T. (1014) 178
Stocchi, V., see Cantoni, O. (1014) 1
Stremmel, W., Falbrede, J., Diede, H.E. and Elsing, C.
Cellular influx of sulfobromophthalein by the biliary epithelium carcinoma cell line Sk-Cha-1 reveals kinetic criteria of a carrier-mediated uptake mechanism (1014) 108
Suzuki, H., see Nakazato, Y. (1014) 57
Swartz, H.M., see Chan, H.-C. (1014) 141
Swartz, H.M., see Hu, H. (1014) 211

Tang, B.L., Teo, C.C., Sim, K.Y., Ng, M.L. and Kon, O.L.
Cytostatic effect of antiestrogens in lymphoid cells: relationship to high affinity antiestrogen-binding sites and cholesterol (1014) 162
Tanner, L.I., see Kitagawa, K. (1014) 83
Tarrant, T.M., see Rillema, J.A. (1014) 78
Teo, C.C., see Tang, B.L. (1014) 162
Thomson, B.M., Atkinson, S.J., McGarrity, A.M., Hembry, R.M., Reynolds, J.J. and Meikle, M.C.
Type I collagen degradation by mouse calvarial osteoblasts stimulated with 1,25-dihydroxyvitamin D-3: evidence for a plasminogen-plasmin-metalloproteinase activation cascade (1014) 125
Tkachuk, V.A., see Korichneva, I.L. (1014) 173
Tortora, P., see Burlini, N. (1014) 153
Trenti, T., see Masini, A. (1014) 133
Tytgat, J., see Nilius, B. (1014) 259

Van Heyningen, S., see Longbottom, D. (1014) 289
Vincent, N., Martin, G. and Baverel, G.
Simultaneous synthesis and degradation of glutamine in isolated rat liver cells. Effect of vasopressin (1014) 184
Von Kisslinger, A., see Andreoni, A. (1014) 8

Wakelam, M.J.O., see Palmer, S. (1014) 239
Webb, P.D., see Kenton, P. (1014) 271
Willis, A.C., see Cooper, G.J.S. (1014) 247

Xie, H. and Bittar, E.E.
Nicardipine as a Ca^{2+} channel blocker in single barnacle muscle fibers (1014) 207

Yamaguchi, N., see Kozaki, Y. (1014) 120

Zoccarato, F., see Deana, R. (1014) 203